

SZAWDYN, Jerzy, mgr inz.

Activities of the State Mining Council; the state of mining production  
in 1961. Wiadom gorn 13 no.9:308-310 S '62.

SZAWDYN, Jerzy, mgr inz.

Activities of the State Mining Council. Wiadom gorn 13 no.11:402-403  
N '62.

SZAWDYN, Jerzy, mgr inż.

Activities of the Committee for Mining of the Polish Academy  
of Sciences during 1961-1962. Archiw gorn 8 no.3:297-320 '63.

1. Sekretarz Komitetu Gornictwa, Polska Akademia Nauk, Warszawa.

FOFANA, Karim; MORAWIECKI, Antoni; SZAWDYN, Jerzy

Organization of the geological services and deposit prospecting in underdeveloped countries. Przegl geol 11 no.3:164-167 Mr '63.

1. Dyrekcja Gornicza w Konakry (Gwinea), Instytut Geologiczny, Warszawa, Panstwowa Rada Gornictwa, Warszawa.

SZAWDYN, J.

70th Session of the State Mining Council. Przegl geol  
11 no.5:243 My '63.

SZAWDYN, Jerzy, mgr inz.

Activities of the State Mining Council in 1962. Wiad gorn 14 no.4:  
110-111 Ap '63.

SZAWDYN, Jerzy, mgr inż.

Activities of the state Mining Council. Wiadom gorn 14 no. 7/8:  
227-228 J1-Ag '63.

SZAWDYN, Jerzy, mgr. inz.

Activities of the State Mining Council. Wiadom. gorn. 14 no.9:  
283-285 S'63.



SZAWDYN, Jerzy, mgr inż.

Activities of the State Mining Council. Wiad gorn 14 no.10:  
317-119 0 '63.

SZAWDYN, Jerzy, mgr inż.

Activities of the State Mining Council. Wiadom gorn 14  
no.11:358-360 N°63.

SZL WDYN, Jerzy, mgr inz.

Activities of the State Mining Council. Wiadom gorn 14 no.  
12: 406 D '63.

SZAWDYN, Jerzy, mgr inz.

Activities of the State Mining Council. Wiadom gorn 15 no.2:  
66 F'64

SZAWDYN, Jerzy, mgr inz.

Activities of the State Mining Council. Wiadom gorn 15 no.3:  
106-109 Mr '64

Before the 4th Polish Mining Congress with "The New Mining" as  
a topic. Ibid.: 112-113

SZAMDYN, Jerzy, mgr. inż.

Activities of the Committee on Mining of the Polish Academy of Sciences in 1963. Archiw. Gorn 9 no.4:427-445 '64.

1. Secretary of the Committee on Mining of the Polish Academy of Sciences, Warsaw. Submitted February '0. 1964.

SZAWERNOWSKI, PIOTR.

Roboty poglebiarskie srodladowe i morskie. (Wyd. 1.) Warszawa,  
Budownictwo i Architektura. (Inland and sea dredgings works. 1st ed.  
illus, bibl., diagrs., tables)  
Vol. 1. 1955. 378 p.

SOURCE: East European Accessions List (EEAL), LC, Vol. 5, no. 3,  
March 1956

SEAWERKOWSKI, F.

Sand bars in the Wladyslawowo port.

p. 215 (Technika I Gospodarka Morska. Vol. 6, no. 8, Aug. 1956. Gdansk, Poland)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2,  
February 1958



SZAWERNOWSKI, P.

Polish-Soviet scientific cooperation in the researches on the Baltic Sea.

P. 323 (TECHNIKA I GOSPODARKA MORSKA) (Gdansk, Poland) Vol. 7, No. 11,  
Nov. 1957

SO: Monthly Index of East European Accessions (EEAI) LC Vol. 7 , No. 5. 1958

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001654420002-7

SZAWLEWICZ, J.

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001654420002-7"

*Szawłowska, Z.*  
GORZYM, H.; JANISZEWSKI, L.; NAREBSKI, J.; OLEJARCZUK, G.; SZAWŁOWSKA, Z.

Effect of ethyl alcohol on EEG and chronaxy of the vestibular apparatus  
in rabbits. Acta physiol. polon. 8 no.3:339 1957.

1. Z Zakładu Neurofizjologii i Fizjologii Porównawczej Uniwersytetu  
M. Kopernika w Toruniu. Kierownik: prof. dr J. Huryńowicz.  
(ALCOHOL, ETHYL, effects,  
on EEG & vestibular chronaxy (Pol))  
(ELECTROENCEPHALOGRAPHY,  
eff. of ethyl alcohol in rabbits (Pol))  
(VESTIBULAR APPARATUS, physiology,  
chronaxy, eff. of ethyl alcohol in rabbits (Pol))

MIETKIEWSKI, E.; SZAWLOWSKA, Z.

Chronaxy of reflexes from the vestibular nerve during artificial hibernation. Acta physiol. polon. 10 no.5:605-617 Sept-Oct 59.

1. Z Zakladu Fizjologii A. M. w Szczecinie Kierownik: prof. dr E. Mietkiewski.

(VESTIBULAR APPARATUS, physiol.)  
(HIBERNATION, ARTIFICIAL, eff.)

SZAWIŃSKA-WALLISCH, Krystyna

Studies on the kinetics and mechanism of sulfurizing silver-aluminum alloys in liquid sulfur at 444°C temperature. Archiwum 9 nr.3:253-268 '64.

1. Department of Mining Chemistry, School of Mining and Metallurgy, Krakow.

SCAFLOWSKI, Kazimierz, prof. mgr inż.

The first Polish high-power combustion engine for ships. Biul  
techn Cegielski 5:33-36 Special issue '61.

Supercharging two-stroke diesel engines. Ibid.:91-97

1. Technical University, Krakow.

CHODYN, Eustachiusz; SZAWIŁOWSKI, Kazimierz

Results of penicillin therapy of fronic atrophic acrodermatitis.  
Przegl. derm., Warsz. 5 no.5:403-407 Sept-Oct 55.

1. Z Kliniki Dermatologicznej A.M. w Gdansk. Dyrektor: Prof.  
dr. Fr. Miedzinski, Gdansk, Klinika Dermatologiczna Akademii  
Medycznej, Debinki 72.

(ACRODERMATITIS ATROPHICANS, therapy  
penicillin)

(PENICILLIN, ther. use  
acrodermatitis atrophicans)

EXCERPTA MEDICA Sec 8 Vol 12/5 Neurology May 59

2385. METHODS USED IN THE GDANSK (DANZIG) INSTITUTE FOR TREATMENT OF CHILDREN WITH SEQUELAE OF POLIOMYELITIS - Metody leczenia stosowane u dzieci z niedowładami po polio w Zakładzie Leczniczo-Wychowawczym w Gdansk - Szawłowski K. Zakł. Leczniczo-Wychowawczego dla Dzieci po Chor. Heinego-Median, Gdańsk - CHIR. NARZĄD. RUCHU 1958, 23/5 (431-439) Tables 2 illus. 5

The methods include the use of packs, paraffin wrappings, exercises in the Hubbard tank, electrotherapy, prevention and treatment of contractures, stimulation and re-education, gymnastics, walking exercises and injections of vit B<sub>6</sub>, B<sub>12</sub> and E. To compensate for mineral losses caused by the use of packs, mineralized water is used for the purpose and extra salt is added to the food.

Kukowka - Greiz (L, 8, 7, 19)



MIEROSLAWSKI, Witold; SZAWLOWSKI, Kazimierz

Staphylococcal infection at a hospital nursery. Gin.polska 30  
no.3:357-360 My-Je '59.

1. Z Oddziału Noworodków I Kliniki Położnictwa i Chorób Kobietych  
Gdańskiej Akademii Medycznej Kierownik: doc. dr S. Metler  
Konsultant naukowy oddziału: prof. dr K. Erecinski.

(INFANT NEWBORN dis)

(STAPHYLOCOCCAL INFECTIONS in inf & child)

(HOSPITALS)

PIELOWSKA, Elzbieta; SZAWLOWSKI, Kazimierz

Results of therapeutic rehabilitation of children with paralysis  
after poliomyelitis. Chir.narz.ruchu ortop. polska 26 no.2:207-  
213 '61.

1. Z Sanatorium Rehabilitacyjnego dla dzieci po chorobie Heinego-  
Medina w Gdansk Dyrektor: dr Z. Dobuzynska-Anisimowicz:  
(POLIOMYELITIS rehabil)

ANISIMOWICZ, Zofia; PIELOWSKA, Elzbieta; SZAWLOWSKI, Kazimierz; ZDANOWICZ,  
Zygmunt

Effect of somatotropin on the recovery of muscles in paresis and atrophy  
in poliomyelitis. Chir. narzad. ruchu ortop. pol. 27 no.4:511-516 '62.

1. Z Sanatorium Rehabilitacyjnego dla dzieci po H.M. w Gdansk  
Dyrektor: dr Z. Anisimowicz.  
(POLIOMYELITIS) (SOMATOTROPIN)

ANISIMOWICZ, Zofia; SZAWLOWSKI, Kazimierz; PIELOWSKA, Elzbieta; KOZIELECKA,  
Maria

Boy scout and girl scout camps and their role in the rehabilitation  
of handicapped children. Chir. narzad. ruchu ortop. Pol. 29 no.2:  
205-210 '64.

1. Z Sanatorium Rehabilitacyjnego dla dzieci po chorobie Heinego-  
Medina w Gdansk (Dyrektor: dr. med. Z. Anisimowicz).

ANISIMOWICZ, Zofia; GALUSZKO, Pawel; PIRLOWSKA, Elzbieta; SZAWLOWSKI,  
Kazimierz

Neuroses in children after Heine-Medin disease. Neurol., neurochir.,  
psychiat. Pol. 14 no.4:599-604 J1-Ag '64

1. Z Kliniki Chorob Psychiczych Akademii Medycznej w Gdansk  
(Kierownik: prof. dr. T. Bilikiewicz) i z Sanatorium Rehabili-  
tacyjnego dla dzieci po chorobie Heinego-Medina w Gdansk  
(Dyrektor: dr. med. Z. Anisimowicz).

SZAWIŁOWSKI, Kazimierz; PATYŃSKI, Jerzy

Current requirements for rehabilitational treatment of children with paralysis following poliomyelitis. Pol. tyg. lek. 20 no.1: 16-18 4 Ja '65

1. Z Sanatorium Rehabilitacyjnego w Gdansk (Dyrektor: dr. med. Z. Anisimowicz) i z Kliniki Ortopedycznej Akademii Medycznej w Gdansk (Kierownik: doc. dr. med. A. Senger).

ANISIMOWICZ, Zofia; KOZIELECKA, Maria; SZAWLOWSKI, Kazimierz

Social reintegration of handicapped children. Chir. narzad. ruchu  
ortop. Pol. 30 no.4:417-421 '65.

1. Z Sanatorium Usprawniania Leczniczego dla Dzieci w Gdansk  
(Dyrektor: dr. med. Z. Anisimowicz).

SZAWLOWSKI, Lech

A case of a gunshot wound of the frontal sinus with retention of the shell in the anterior cranial cavity for 11 years. Otolaryng. polska 11 no.4:433-435 1957.

1. Z Kliniki Otolaryngologicznej A. M. w Gdansk. Kierownik: prof. J. Iwaszkiewicz.

(FRONTAL SINUS, wds. & inj.  
gunshot wound, asympt, retention of shell for 11 years,  
case report (Pol))



L 21915-66 EWT(1)/ELT(m)/T/EWA(h) IJP(c) AT  
ACC NR: AP6014476 SOURCE CODE: PO/0046/65/010/09-/0613/0618

AUTHOR: Szawlowski, Marek--Shavlovski, M. 47  
B

ORG: Department of Radiochemistry, Warsaw University, Warsaw (Katedra Radiochemii, Uniwersytet Warszawski)

TITLE: <sup>21</sup>Semiconductor p-n junction detector for nuclear radiation as electric signal source R

SOURCE: Nukleonika, v. 10, no. 9-10, 1965, 613-618

TOPIC TAGS: semiconductor device, PN junction

ABSTRACT: An equation describing the voltage pulse, arising at the preamplifier input, for a p-n junction detector from an equivalent circuit was derived. The analysis may be used for detector preamplifier system optimization, when high resolution of energy is involved. Orig. art. has: 3 figures and 13 formulas. Based on author's Eng. abst. [NA]

SUB CODE: 18, 20 / SUBM DATE: 12Jun65 / OTH REF: 004

Card 1/1 7845

SZAWLONSKI, T.; BOHATYREW, M.

"Fallers; Regeneration by Metalization", p. 37, (PRZEGLAD SPAWALNICTWA,  
Vol. 6, No. 2, Feb. 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 5,  
May 1955, Uncl.

-SZAYNA, Zbigniew (Krakow, Botaniczna 3.)

Statistical data on the diagnoses made at the outpatient service of the neurological clinic of the Cracow Academy of Medicine in 1953:  
Neur. &c. polska 8 no.2:217-223 Mar-Apr '58.

1. Z Kliniki Chorob Nerwowych A.M. w Krakowie. Kierownik: prof.  
dr Wl. Jakimowicz.  
(NERVOUS SYSTEM, dis.  
statist (Pol))

SZAYNA, Zbigniew

Neurological manifestations in thallium poisoning. Neur. &c  
polska 10 no.4:447-456 J1-Ag '60.

1. Z Kliniki Chorob Nerwowych A.M. w Krakowie. Kierownik: prof.  
dr Wl.Jakimowicz.

(THALLIUM toxicol)  
(NEUROLOGICAL MANIFESTATIONS)

SZAYNA, Zbigniew

On the problem of the use of thioacetamide in cases of thallium poisoning. Pol. tyg. lek. 17 no.7:261-262 12 F '62.

1. Z Kliniki Neurologicznej AM w Krakowie; kierownik: prof. dr Wl. Jakimowicz.

(THALLIUM toxicol) (SULFHYDRYL COMPOUNDS ther)  
(AMIDES ther)

RATAJ, Ryszard; SZAYNA, Zbigniew

Hypertrophic arthropathy of the feet in the lumbosacral form of  
syringomyelia. Neurol neurochir psych 12 no.6:921-924 N-D  
'62.

1. Klinika Neurologiczna, Akademia Medyczna, Krakow. Kierownik:  
prof. dr med. W. Jakimowicz.

SZAYNOK, ANNA

✓ Measurements of electric charge created when sodium chloride is dispersed. Anna Szaynok (Tech. Univ., Wrocław, Poland). *Zeszyty Nauk. Politech. Wrocław.*, No. 4, Chem. No. 1, 43-7(1954)(English summary 48).—There is a difference in the elec. charge of a dispersed NaCl cloud whether or not it is subjected to x-rays. X-ray radiation causes lattice defects in NaCl. NaCl was pulverized to 1-4  $\mu$  and dispersed at the top of a glass column. The falling cloud passed an elec. field between flat condensers. The charged particles were deflected according to their elec. charge. The particles were at the same time subjected to the light of an elec. arc. The light was dispersed on the particles and fell on a revolving disk located perpendicular to the light. The disk was provided with 4 holes through which the light fell on a photographic film. From Stokes law and formulas given by Kunkel and Hansel (*Rev. Sci. Instr.* 21, 308(1950)) deflection of the particles in the elec. field was calcd. A certain asymmetry was observed in the charge of particles irradiated by x-rays; pos. charge predominated.

P. J. Hendel

18  
1797

SZAYNOK, A.

Distr: 4E3c 2 cys/4E3d

✓ Effect of irradiation with  $\beta$ -rays on the electrification of KCl crystals. Anna Szaynok (Inst. Technol., Wrocław, Poland). *J. Appl. Phys.* 31, 451-3 (1980).—The measurements of elec. charges on clouds of dust from crushed KCl single crystals previously irradiated with  $\beta$ -rays shows that the value of the mean charge depends on irradiation time. In the case of KCl irradiated with  $\beta$ -rays, a photoelec. effect is not observed, despite the presence of *F* centers.

H. P. Krauss

33



SZAYNOK, Anna

Some problems relating to the electrification of dust from  
 $\beta$ -irradiated KCl monocrystals. Acta physica Pol 22 no.3:  
225-240 S '62.

1. Department of Physics, Institute of Technology, Wroclaw.

ACCESSION NR: AP4017208

P/0045/64/025/001/0097/0060

AUTHOR: Bodnar, Zygmunt; Malcher, Jozef; Szaynok, Anna; Wolniewicz,  
Walentyna

TITLE: Influence of gamma-rays on the electrical properties of glass dust

SOURCE: Acta physica polonica, v. 25, no. 1, 1964, 57-60

TOPIC TAGS: gamma-irradiation, glass dust, electrical property, thermal  
excitation, crushing, trap in glass, distribution of charge, exoemission  
process, positive charge

ABSTRACT: Gamma-irradiation of glass produces changes in the electrification  
of the dust. Short irradiation (about 100 minutes) increases it, while  
lengthy irradiation decreases it. Unirradiated but heated dust shows increased  
electrification; irradiated and heated dust, a predominance of positive  
charge. In irradiated but unheated glass, there is equalization of the positive  
and negative charge with increasing irradiation time. Heating may be treated  
as thermal excitation, causing the introduction of electrons into the traps in

Card 1/2

ACCESSION NR: AP4017208

the glass and thus increasing the probability of unequal distribution of charges by crushing. The crushing supplies further amounts of energy, causing additional excitation, and electrons situated near the surface can be ejected in the exoemission process, resulting in the predominance of the positive charge in the dust cloud as a whole. Orig. art. Has: 2 graphs and 2 tables.

ASSOCIATION: Politechnika Wroclawska, Katedra Fizyki, Wroclaw (Wroclaw Polytechnic, Chair of Physics)

SUBMITTED: 06Jul63

DATE ACQ: 18Mar64

ENCL: 00

SUB CODE: PH

NO REF SOV: 000

OTHER: 008

Card 2/2

L 29320-66 EWP(t)/ETI IJP(c) JD

ACC NR: AT6003649

SOURCE CODE: PC/2542/65/00/0003/0007

AUTHOR: Malcher, Jozef (Master engineer, Senior Assistant in the Physics Department); Szaynok, Anna (Dr., Adjunct in the Physics Department)

ORG: Breslau Polytechnical Institute (Politechnika Wroclawska)

TITLE: Electrification of dust obtained from polycrystalline germanium

SOURCE: Breslau. Politechnika. Zeszyty naukowe. Fizyka, no. 8, 1965, 3-7

TOPIC TAGS: electron charge, electron, crystal, semiconductor crystal, crystal lattice, crystal lattice defect, germanium, indium, antimony, crystal impurity, electric measurement

ABSTRACT: The effect of lattice defects on the degree of dust electrification was studied on pure polycrystalline germanium, and on indium or antimony doped germanium to a concentration of  $10^{18} \text{ cm}^{-3}$ . The dust electrification measurements show that 1) the mean charge of a dust particle is linearly dependent on the diameter of the dust particle, 2) the introduction of impurities increases the charge of the dust cloud, 3) the increase in the charge is due to the crystal lattice defects caused by the impurities, and 4) the increase in the charge is higher for admixtures of antimony of similar concentration in the germanium crystal. The predominance of negative charges in the dust cloud formed by indium doped germanium suggests an addition of electrons from

Card 1/2

L 29320-66

ACC NR: AT6003649

the surroundings, but this phenomenon is as yet difficult to explain and is being explored further. Orig. art. has: 4 figures.

SUB CODE: 20/      SUBM DATE: none      ORIG REF: 002/      OTH REF: 002/

Card 2/2

BK

L 22370-66 EWT(1)/ETC(f)/EWG(m)/I/EWP(t) IJP(c) RDW/JD/GG

ACC NR: AP6009603

SOURCE CODE: PO/0045/65/028/004/0477/0481

AUTHOR: Nikliborc, Jan; Malcher, Jozef; Szaynok, Anna

ORG: Department of Experimental Physics, Wroclaw University; Department of Physics, Institute of Technology, Wroclaw

TITLE: Influence of p- and n-type impurities on dust electrification in CdTe

SOURCE: Acta physica polonica, v. 28, no. 4, 1965, 447-481

TOPIC TAGS: cadmium telluride, impurity, semiconductor conductivity, impurity conductivity, cadmium, tellurium, stoichiometric excess

ABSTRACT: The electrification of CdTe dust depends on the kind and concentration of impurities introduced into the crystals. The increase in the concentration of impurities gives rise to dust electrification. Conductivity measurements show that CdTe can be a semiconductor of the p- or n-type, according to the kind of impurities introduced or the stoichiometric excess of cadmium or tellurium in the crystal. Impurities of groups III and VII of elements or a stoichiometric excess of cadmium will yield n-type semiconductivity, while impurities of groups I and V of elements or a stoichiometric excess of tellurium will yield

Card 1/2

L 22370-66

ACC NR: AP6009603

2

p-type conductivity. Impurities of type n cause smaller electrification than impurities of type p given the same concentration. Smaller electrification of n-type doped CdTe is caused by increased conductivity. The CdTe crystals used for experiments were obtained from zone-melted Cd and Te and doped with several impurities at the Semiconducting Materials Laboratory of the Institute of Physics of the Polish Academy of Sciences in Warsaw. Dust electrification measurements of CdTe crystals, pure and doped, were carried out by the Kunkel and Hansen method. A polycrystalline CdTe structure was used for measurements. The authors wish to express their gratitude to Dr. W. Giriat for kindly supplying them with the materials and for his interesting remarks. Orig. art. has: 1 figure and 1 table. [Based on author's abstract] [KS]

SUB CODE: 20/

SUBM DATE: 12Feb65/  
OTH REF: 005

ORIG REF: 002/

Card 2/2da.

L 20579-66 T/EWP(t) IJP(a) JD/JQ

ACC NR: AP6002073

SOURCE CODE: PO/0045/65/028/006/0919/0922

57  
13

AUTHOR: Malcher, J. O.; Szaynok, A.; Wolniewicz, H.

ORG: Department of Physics, Institute of Technology, Wroclaw, Poland

TITLE: Dust electrification of KCl, KBr, and KJ monocrystals

SOURCE: <sup>2/</sup>Acta physica polonica, v. 28, no. 6, 1965, 919-922

TOPIC TAGS: electric measurement, dielectric crystal, ferroelectric crystal, crystal impurity, chemical purity, spectral distribution, crystal lattice energy, crystal lattice, crystal dislocation, electric conductivity, dust, electrification

ABSTRACT: Dust electrification measurements were carried out for dusts of KCl, KBr, and KJ monocrystals. The dependence of electrification on the binding energy and lattice constant was observed. The KJ dust exhibits the greatest electrification and the KCl dust, the least. The increase of the binding energy and the decrease of the lattice constant cause the dust electrification to decrease. The degree of purity of the KCl, KBr, and KJ monocrystals used for the measurements was similar. The spectral analysis showed impurities in small quantities of Mg, Ca, Sr, Fe, and Al. Some dislocations can be expected in the monocrystals. It can be assumed that the degree of the crystal-lattice regularity of

Card 1/2



L 20579-66

ACC NR: AP6002073

all three types of substances investigated was also similar. The dust electrification can occur only if cleavage electrons are unevenly distributed between surfaces. Of the three compounds investigated, the binding energy of the KJ dust is the smallest, and its lattice constant is the largest; the dust electrification of the KJ is also the greatest. Orig. art. has: 2 figures and 2 tables. [Based on author's abstract]

[NT]

SUB CODE: 20/ SUBM DATE: 01Jul65/ ORIG REF: 002/ OTH REF: 005

Card 212 BIC

L 38410-66 EWT(1)/EWP(t)/ETI IJP(c) RDW/JD  
 ACC NR: AP6019936 SOURCE CODE: PO/0045/66/029/002/0103/0106  
 AUTHOR: Malcher, Joseph; Sycinska, Anna; Szaynok, Anna 69  
B  
 ORG: Department of Physics, Institute of Technology, Wroclaw, Poland  
 TITLE: Influence of contact with several materials on the electrical conductivity of CdTe dust  
 SOURCE: Acta physica polonica, v. 29, no. 2, 1966, 103-106  
 TOPIC TAGS: electric conductivity, charged particle, porcelain, ~~agate~~, ~~agate~~ mortar, ~~metal~~ mortar, cadmium telluride, ~~dust~~ metal  
 ABSTRACT: The authors discuss the measurements of the electrical conductivity of cadmium telluride dust, crushed in mortars made of agate, porcelain, and metal. The measurements were carried out according to the Kunkel and Hansen method (Kunkel, W. B., Hansen, J. W., Rev. Sci. Instrum., 21, 308 (1950)). A distinct influence of the contact of other materials on the dust cloud charge was revealed. A decisive property of the mortar material is its electrical conductivity. The lowest electrical conductivity of the dust was produced in a metal mortar because of the high conductivity of the metal. Contact of the dust with the metal promotes the recombination of charges produced during

Card 1/2

I. 38410-66

ACC NR: AP6019936

D

the crushing process. The electrical conductivity of CdTe dust crushed in a porcelain mortar with a rough surface is greater than that in metal mortar. The dust particles adhere to the rough surfaces of the mortar and form a cover in contact with one another almost to the exclusion of contact with the mortar, which leads to a partial charge recombination. The electrical conductivity of CdTe dust crushed in an agate mortar with a smooth surface is the highest of all. Contact of the dust particles with agate, a material of high specific resistance, produces increase in electrical conductivity. Orig. art. has: 1 table and 2 figures [GC]

SUB CODE: 20,11/ SUBM DATE: 23June65/ ORIG REF: 000/ SOV REF: 000/  
OTH REF: 004

Card. 2/2

L 41358-66 EWP(t)/ETI/T IJP(c) JD

ACC NR: AP6021912 SOURCE CODE: PO/0045/66/029/003/0411/0413

7/  
10  
8

AUTHOR: Nikliborc, J. ; Malcher, J. ; Szaynok, A.

ORG: [Nikliborc] Department of Experimental Physics, University of Wroclaw,  
Wroclaw (Katedra Fizyki Doswiadczalnej Uniwersytetu Wroclawskiego); [Malcher;  
Szaynok] Department of Physics, Institute of Technology, Wroclaw

TITLE: Electric properties of dust made of germanium pure and doped single  
crystals <sup>10</sup>

SOURCE: Acta Physica polonica, v. 29, no. 3, 1966, 411-413

TOPIC TAGS: germanium single crystal, photoelectric effect, germanium, ~~dust~~,  
electric property

ABSTRACT: Measurements of electric properties of germanium-<sup>27</sup>dust presented in  
this paper were carried out for pure and p- or n-doped material by the Kunkel and  
Hansen method [Kunkel, W. B., J. Appl. Phys., 21, 820 (1950)]. The germanium  
monocrystal used for measurements was produced at the Tewa Semiconductor  
Factory in Warsaw. Indium and stibium <sup>27</sup>doping was performed at the Semiconductor

Card 1/2

L 41358-66

ACC NR: AP6021912

Laboratory of the Institute of Physics of the Polish Academy of Sciences in Warsaw.  
In the results of three measurement series, similar regularities were observed.  
Doping caused the increase of both positive and negative charges in comparison with  
the pure material. A distinct predominance of positive charges in the pure and  
In-doped germanium dust was observed. A photoelectric effect was also observed.  
Orig. art. has: 1 figure. [KS]

SUB CODE: 20/ SUBM DATE: 21Aug65/ ORIG REF: 002/ OTH REF: 003/

Card 2/2 11b

SZAZADOS, J.

KELENTY, B.; SZAZADOS, I.; TAKACS, I.; HALMAI, Z.; VALYI-NAGY, T.

Studies on experimental lead poisoning. IV. Metabolism of rats at rest and under exercise in chronic lead poisoning. Acta physiol. hung. 12 no.1-3:277-281 1957.

1. Institute of Pharmacology, Medical University, Debrecen, National Institute of Labour Hygiene.

(LEAD POISONING, exper.

basal metab. in chronic pois. of rats)

(BASAL METABOLISM, in various dis.

exper. chronic lead pois. in rats)

SZAZADOS, I.; TISZAVOLYI, Gy.; ZAJTA, A.

Systemic failures of interferometric molecular oxygen and carbon dioxide determinations and their elimination. Kiserletes orvostud 9 no.5-6:636-639 Oct-Dec 58.

1. Orszagos Munkaegeszsegugyi Intezet.

(RESPIRATION, physiol.

carbon dioxide & oxygen content of expired air, failures & corrections of calculations in interferometric determ. (Hun))

HAMAR, N.; MOLNAR, B.; SZAZADOS, I.; TISZAVOLGYI, Gy.

Data on the physiological foundation of norms relating to the  
handling of materials. Pt.1. Munkavedelem 7 no.4/6:31-39  
'61.



HAMAR, Norbert; MOLNAR, Bela; SZAZADOS, Istvan; SZERDAHELYI, Jozsef;  
TISZAVOLGYI, Gyorgy

Data on the physiological foundation of norms relating to the  
handling of materials. Pt. 2. Munkavedelem 7 no.7/9:36-42  
'61.

1. Orszagos Munkaegeszsegugyi Intezet.

HAMAR, N.; SZAZADOS, I.; TISZAVOLGYI, Gy.

Data on the physiological foundations of the norm of material handling; III. Material handling by means of bogie. Munkavedelem 7 no 10/12:39-46 '61.

HAMAR, N.; SZAZADOS, I.; TISZAVOLGYI, Gy.

Data on the physiological foundation for the conveyance of materials  
norms. IV. Conveyance of materials by barrow. Munkavedelem 8.  
no.4/6:29-37 '62.

1. Orszagos Munkaegeszsegugyi Intezet.

HAMAR, N.; KOHEGYI, I.; SZAZADOS, I.

Recommendation concerning the worker's fitness for work  
from the point of view of energetics. Munkavedelem  
8 no.10/12:37-40 '62.

1. Orszagos Munkaegeszsegugyi Intezet.

L 15527-66

ACC NR: AT6007372

SOURCE CODE: HU/2505/65/026/00X/0007/0008

AUTHOR: Hamar, N.; Szazados, I.

ORG: National Institute of Labor Hygiene, Budapest (Orszagos Munkaegeszsegugyi Intezet)

TITLE: Daily rhythm of performance of female textile workers [This paper was presented at the 29th Meeting of the Hungarian Physiological Society held in Szeged from 2 to 4 July, 1964]

SOURCE: Academia scientiarum hungaricae. Acta physiologica, v. 26, Supplement, 1965, 7-8

TOPIC TAGS: man, psychology, industrial hygiene

ABSTRACT: Employees who work on daytime shifts regularly are classified into the same stereotype system, in spite of the fact that the morning and afternoon shifts are alternated weekly. Within the stereotype system the dynamics of the excitatory and inhibitory processes take effect in the sense that the beginning of the afternoon shift is followed by an improvement of performance and a deterioration later on, depending on the strain imposed by the work and environmental influences. In the next phase, spontaneous improvement followed by deterioration is repeated. This undulation in the performance does not cease when the shift is over.

Card 1/2

L 15527-66

ACC NR: AT6007372

Employees working on night shifts always belong to another stereotype. Their rhythm of performance does not fit the pattern exhibited by daytime workers and changes in their body temperatures occur. These changes in the performance disposition are important from the standpoint of the organization of work and rest periods as well as from that of alternating the shifts. [JPRS]

SUB CODE: 05 / SUBM DATE: none

OC

Card 2/2

2/2

HUNGARY

SZAZADOS, Imre, Dr. veterinary specialist; Veterinary Meat Control of the Meat Industry (director: MEHES, György, Dr., Laboratory at Pecs (chief: SCHUNKY, Antal, Dr.) (Husipari Allatorvosok Ellenzéke Szolgálat, Pecs Laboratoriuma).

"On Embryonal Nephroma on the Basis of a Few Cases."

Budapest, Magyar Allatorvosok Lapja, Vol 22, No 2, Feb 67, pages 85-87.

Abstract: [Author's English summary modified] In the course of meat control at the slaughterhouse at Pecs between 1964-66, embryonal nephroma was found in 4 out of a total of 173,680 pigs sent to routine slaughtering and in 1 out of 21, 495 cattle which were slaughtered on an emergency basis. The pathological-anatomical and pathohistological description of the cases is presented in the article. The author came to the conclusion that embryonic nephroma is relatively more frequent among pigs than among other species and, in general, it appears in the form of a rather mature tumor. On the basis of its pathohistological appearance, the embryonic nephroma of cattle is considered to be as malignant as it is in children. 2 Hungarian, 14 Western references.

1/1

SZBUNIEWICZ, Bozydar (Gdansk, ul. Rokossowskiego 42)

Phenomenon of dominance in the central nervous system and Rusinow's  
artificial dominance. Polski tygod. lek. 9 no.20:627-630 17 May 54.

(CENTRAL NERVOUS SYSTEM, physiology  
dominance)



SZBUNIEWICZ, Bozydar (Gdansk, ul. Rokossowskiego 42)

Certain psychical phenomena observed from the viewpoint of  
Ukhtomskii's domination. Polski tygod. lek. 9 no.35:1111-1113;  
contd. 30 Aug 54.

(HANDEDNESS,

Ukhtomskii's dominance, interpretation of psychical  
phenomena)

SZBUNIEWICZ. Bozydar

Structure and function of the brain; theory of standard layers.  
Acta physiol. polon. 9 no.1:33-39 1958

1. Z Zakladu Fiziologii A.M. w Gdansk. Kierownik: prof. dr B.  
Szabuniewicz.

(BRAIN, physiology,  
layers theory (Pol))

SZCAESNY, T.

Bialowieza Forest National Park.

p. 43 (Chronomy Przyrode Ojczysta. Vol. 13, no. 5, Sept./Oct. 1957. Krakow, Poland)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2,  
February 1958

SZCAUFOWSKI, A.; BAJER, F.

General criteria for the organization of wall cutting with prior-cut kerfs.  
Biuletyn. p. 9. (PRZEGLAD GONICZY, Vol. 9, No. 11, Nov. 1953, Stalinogrod,  
Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec.  
1954, Uncl.

SZCZAWINSKI, A.

The Ministry of Shipping and Water Management. p. 273. Activities of Section 13, Water Management, at the 3d Congress of Polish Engineers and Technicians. p.274.

(GOSPODARKA WODNA. Vol. 17, No. 6, June 1957. Warszawa, Poland)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 10, October 1957. Uncl.

BALAZS, Viktor, dr.; FROLICH, Margit, dr.; SZCFESSY, Gabor, dr.;  
CSATI, Miksa

Characteristics of separated cryoglobulins resembling the  
rheumatoid factor. Orv. hetil. 104 no.33:1552-1554 18 Ag '63.

1. Szegedi Orvostudományi Egyetem, I Belklinika és Kózpont  
Kutató Laboratórium.

(CRYOGLOBULINS)	(GAMMA GLOBULIN)
(HEPARIN)	(RHEUMATOID FACTOR)

SZCUKA, J.

Thinnings in figures. (To be contd) p.5. From the materials of the 3d Congress of Polish Engineers and Technicians. p.7.

(IAS POLSKI. Vol. 31, No. 7, April 1957. Warszawa, Poland)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 10, October 1957. Uncl.

POLAND/Theoretical Physics - Quantum Mechanics.

B

Abs Jour : Ref Zhur Fizika, No 11, 1959, 24192

Author : Pawlikowski, A., Szczeniowski, W.

Inst : -

Title : On the Cononical Formalism for Dynamical Systems with Constraints

Orig Pub : Bull. Acad. polon. sci. Ser. sci. math., astron. et phys., 1958, 6, No 12, 759-763

Abstract : A method is formulated for the transition to cononical formalism for systems with constraints of a definite type, the Lagrangians of which do not contain derivatives with respect to certain coordinates. For these cases, the application of the ordinary method is impossible. The method proposed makes it possible to formulate the classical analogy of the thcery of collective variables of Bohn-Pines and Migdal-Galitskiy.

Card 1/1



SZCZUROWSKA, I.; GUCWA, I.

"The appearance of migmatites in the Carpathians." p. 278

KWARTALNIK GEOLOGICZNY. (Instytut Geologiczny) Warszawa, Poland. Vol. 2, No. 2, 1958

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 6, June 1959

Uncl.

SHCHAKOVSKIY, V. [Szczakowski, W.]

Hilbert-Haseman's nonlinear and discontinuous problem. Annales  
Pol math 16 no.3:317-332 '65.

1. Division of Communications of the Technical University,  
Warsaw. Submitted December 15, 1963.

SZCZAKOWSKI, Ziemowit, dr; TYBURA, Jan, mgr

New organizational elements in the activation of production for export in the textile industry. Przegl wlokien 17 no. 4/5: 169-172 Ap-May '63.

1. University, Lodz (for Szczakowski). 2. Economics Department, Lodz Committee Polish Workers Party (for Tybura).

SZCZALUBA, Czeslaw, mgr inz.

Slide caliper instruments. Mechanik 37 no.4:235 '64.

1. Gen. K. Swierczewski Precision Products Manufacture,  
Warsaw.

SZCZAP, Henryk, inż.

The plastic material factory "Pustkow." Przegl mech 20 no.19/20:  
615-616 '61.

1. Zakłady Tworzyw Sztucznych "Pustkow."

SZCZANIŁSKI, A.; CHUDEYSKI, E.

The problems of decreasing the prime cost of hydraulic engineering. p.415.  
COCODITKA WDA (Główna Organizacja Techniczna) Warszawa  
Vol. 14, no. 11, Nov. 1954

So. East European Accessions List

Vol. 5, No. 9

September 1956

SZCZANIŁSKI, A.

Need for the formation of the central authorities of water management in Poland and their organizational structure. p.87.

COŁYBATA KA MODNA (Naczelna Organizacja Techniczna) Warszawa  
Vol. 16, no. 3, Mar. 1956

So. East European Accessions List

Vol. 5, No. 9

September 1956

POLAND

RUTKOWSKI, Jerzy, DZIEWIECKI, Adam, and SZCZAWINSKI, Antoni  
Municipal Hospital (Szpital Miejski) No 6, in Warsaw

"Effect of Denervation of Sinus Caroticus on the Function  
of the Respiratory and Circulatory Systems."

Warsaw, Polski Tygodnik Lekarski, Vol 18, No 35, 26 Aug 63,  
pp 1289-1293

Abstract: [Authors' English summary modified] Following a  
discussion of recent views of the physiology and physiopath-  
ology of respiration and bronchial asthma, the authors re-  
port a study on the effects of denervation of the carotid  
sinus performed by the senior author in 1942. Findings are  
given of spirometric, planimetric, bronchospirometric studies,  
and bronchography, before and after the operation, as well  
as of determinations of blood pH, O<sub>2</sub>, CO<sub>2</sub>, alkaline reserve,  
and circulation time, and also EKG, EEG, venous blood pres-  
sure, and heart catheterisation. There are 10 references:  
One Soviet, 3 Western, and 6 Polish.

1/1



DZIEWIECKI, Adam; SZCZAWINSKI, Antoni

Management of co-existing cholelithiasis of the bladder and  
ulcer of the stomach or duodenum. Polski przegl. chir. 35  
no.1:39-44 '63.

1. Z II Zakladu Chirurgii Ogolnej Studium Doskonalenia Lekarzy  
w Warszawie Kierownik: prof. dr J. Rutkowski.  
(CHOLELITHIASIS) (DUODENAL ULCER)  
(STOMACH ULCER) (GASTRECTOMY)  
(CHOLECYSTECTOMY)

SZCZAWINSKI, Antoni; DZIEWIECKI, Adam

Pancreatic cysts and their treatment. Pol. przegl chir. 36  
no.7:881-888 Je '64.

1. Z II Zakladu Chirurgii Ogolnej Studium Doskonalenia Lekarzy  
Akademii Medycznej w Warszawie (Kierownik: prof. dr J. Rutkowski).

HOZYNEK, Marian; WYSOCKI, Kazimierz; SZCZAWINSKI, Rajmund

Myxofibroma of the left cardiac auricle with the clinical picture  
of a mitral lesion. Pat.polska 11 no.3:307-312 '60.

1. Z Zakladu Anatomii Patologicznej AM w Poznaniu, Kierownik:  
Prof.dr J.Groniowski. Z Oddzialu Chorob Wewnetrznych Szpitala  
Miejskiego Nr 2 w Poznaniu, Ordynator: Doc.dr K.Wysocki.

(HEART neopl)  
(MYXOMA diag)  
(MITRAL VALVE dis)

SZCZCKOT, Jozef (Gdansk, Plac Walowy 15 d.)

Preliminary evaluation of work of a pre-luxation outpatient clinic.  
Chir. narz. ruchu 23 no.4:313-316 1958.

1. Z Kliniki Ortopedycznej A. M. w Gdanaku. Kierownik: prof. dr. Z.  
Ambros.

(HIP, dislocation,  
congen., outpatient care (Pol))

EJSMONT, Wladyslaw; SZCZEBLEWSKI, Bernard

The vitamin C level in the urine of sailors. Bull.Inst.Marine  
M. Gdansk 11 no.1/2:15-19 '60.

1. From the Institute of Marine Medicine in Gdansk and the  
Hygiene Laboratory of the Medical Academy in Gdansk.  
(VITAMIN C urine)  
(NAVAL MEDICINE)

DERA, J.; SZCZEBLEWSKI, B.; LOKUCIJEWSKI, B.

Radioactive contamination of sea water in the North European region. Acta geophys pol 10 no.2:173-182 '62.

KOCZOCIK-PRZEDPELSKA, J.; SZCZEBŁOWSKI, A.

Effect of the adrenals on bio-electrical activity of the muscles  
in rats. Acta physiol.polon. 11 no.5/6:77-78 '60.

1. Z Zakładu Fizjologii A.M. w Poznaniu, Kierownik: prof. dr  
E.Czarnecki.

(ELECTROMYOGRAPHY)

(ADRENAL CORTEX physiol)

KOCZOCIK-PRZEDPELSKA, Jadwiga; SZCZEBLOWSKI, Andrzej

Effect of adrenalectomy on the bio-electrical activity and glycogen content of rat muscles. Acta physiol. Pol. 13 no.1:25-36 '62.

1. Z Zakladu Fizjologii A.M. w Poznaniu Kierownik: prof. dr E. Czarnecki.

(ADRENALECTOMY exper) (GLYCOGEN metab)  
(MUSCLES metab) (ELECTROMYOGRAPHY)



ŻOZECH, Krystyna

The production of the pulp and paper industry is not large enough to satisfy the entire demand of the market; interview with H. Pawlowski, chief executive of the Association of the Pulp and Paper Industry. Przegl techn [84] no.13:1,4 10 Mr '63.

SZCZECIŃ, Krystyna

First conference of experts in preserving monumental  
textiles and skins. Przegl techn 24 no.44:3 3 II '63.

SZCZECIN, Krystyna

The Institute of Heat Engineering has given 15 years of work to the modernization of Polish industry. Przegl techn 84 no.46:8 17 N '63.

SZCZEGH, K.

Polymers, high-molecular plastics; interview with Prof.  
Eligia Turska. Przegl techn 84 no. 32: 1,5 11 Ag '63.

SZCZECZ, K.

Interesting scientific research has been carried on in the Pulp and Paper Institute; interview with B. Jamer, head of the Institute. Przegl techn 84 no. 39: 4 29 S '63.

SZCZUCHOWSKI, Bronisław (Bytom)

A case of Plummer-Vinson syndrome. Przegl.lek, Krakow 11 no.5:  
132-135 '55.

1. Z III Kliniki Chorob Wewnętrznych Śląskiej Akademii Medycznej  
w Bytomiu. Kierownik: prof. dr Med. Kornel Gibinski.  
(DEGLUTITION DISORDERS  
Plummer-Vinson synd.)

*326 Z E A 0454115*

KOKOT, F.; SZCZECHOWSKI, B.; BURCZEK, R.

Dependence of the diuretic effect of diluvit on sodium, potassium & water content in the tissues. Polskie tygod. lek. 12 no.44:1691-1694  
4 Nov 57.

1. Z III Kliniki Chorob Wewnętrznych Śląskiej A. M. kierownik: prof. dr med. Kornel Gibinski. Adres: Bytom, ul. Batorego 11 III Klin. Chor. Wewn. Sl. A.M.

(DIURETICS, ther. use

diluvit in congestive heart failure, dependence of diuretic eff. on water-electrolyte content of tissues (Pol))

(CONGESTIVE HEART FAILURE, ther.

diluvit, dependence of diuretic eff. on water-electrolyte content of tissues (Pol))

(BODY FLUIDS

water-electrolyte content of tissues in congestive heart failure, relation to diuretic eff. of diluvit (Pol))

*SZCZECIHA, Bronislaw*

POLAND

DABEK, Wacław; JABLONSKA, Jadwiga; JANIKOWSKI, Andrzej; SZCZECIHA,  
Bronislaw; TOPA, Jerzy

Department of Reactor Engineering, Nuclear Research  
Institute (Instytut Badan Jadrowych Zaklad Inzynierii  
Reaktorowej) (all)

Warsaw, Przegląd elektroniki, No 7, July 63, pp 409-13.

"Installed  $\gamma$ -radiation Monitor with DC Pressure Ioniza-  
tion Chamber, KPDG-1/10 Type".

5



POLAND

BLICHARSKI, Julian, LISIEWICZ, Jerzy, SZCZECIAKOWSKA, Les-  
lawa, and WAZEWSKA-CZYZEWSKA, Maria, Third Clinic of Inter-  
nal Diseases (III Klinika Chorob Wewnetrznych), AM [Akade-  
mia Medyczna, Medical Academy] in Krakow (Director: Prof.  
Dr. J. ALEKSANDROWICZ)

"Post-Irradiation Leukemia. Report of Three (3) Cases."

Warsaw, Polski Tygodnik Lekarski, Vol 18, No 11, 11 Mar 63,  
pp 384-387.

Abstract: [Authors' English summary] Three patients with  
leukemia, followed up for one year, are reported. All pa-  
tients had a history of irradiation with large doses of x  
rays prior to onset of the disease. Attention should be  
drawn to careful diagnostic and therapeutic use of the ion-  
izing radiation. The possibility of the x rays being a  
leukomogenic factor should always be borne in mind. Of  
the 19 cited references, only one (1) is Polish, and the  
others English.

1/1

SIKORCHURA, Janina

Monoceratina Roth (Ostracoda) from the Upper Cretaceous and Lower  
Paleocene of north and central Poland. Acta palaeont Pol 9 no.3:  
337-406 '64.

1. Institute of Palaeozoology of the Polish Academy of Sciences,  
Warsaw.

SZCZECINSKA, Olimpia

GROTT, Jozef Wacław; SZCZECINSKA, Olimpia

Behavior of oxalic acid in plasma and in erythrocytes. Przegl.  
lek. 10 no.3:84-86 Mr '54.

1. Z I Kliniki Choroób Wewnętrznych Akademii Med. w Łodzi.

Kierownik: prof. dr J.W.Grott.

(OXALATES, in blood,

\*determ.)

(BLOOD,

\*oxalic acid, determ.)

SZCZECINSKA, Olimpia

KALISZEWICZ, Seweryn; LASKOWSKI, Stanislaw; SZCZECINSKA, Olimpia

Physiopathology of metabolism of oxalic acid. Przegl. lek. 10  
no.5:151-154 My '54.

1. Z I Kliniki Chorob Wewnętrznych Akademii Medycznej w Łodzi.  
Kierownik: Prof. dr J.W.Grott.  
(OXALATES, metabolism,  
\*physiopathol.)